Pre-insulated Uponor AquaPEX coils

Project information

Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

Technical data

Material	PEX
Temp/pressure ratings	73 °F (23 °C) at 160 psi (11 bar) 180 °F (82 °C) at 100 psi (6.9 bar) 200 °F (93 °C) at 80 psi (5.5 bar)



Product information and application use

Pre-insulated Uponor AquaPEX® complies with the most recent versions of ASHRAE 90.1 and the International Energy Conservation Code (IECC). The product is available with ½" to 1¼" PEX-a service pipe covered in ½" or 1" insulation. The insulation features manufactured-sealed seams running the entire length of the pipe for added convenience and system performance. Check with local code authorities regarding energy-code requirements for specific applications.

Note: Temperature and pressure ratings stated are hydrostatic ratings. For domestic hot-water (DHW) and DHW recirculation installations, operating conditions should not exceed 140°F (60°C) at 80 psi (5.5 bar) in accordance with ASTM F2023. For additional information regarding application-specific temperature and pressure ratings, refer to the Uponor PEX Piping Systems Design and Installation Manual.

	Part name	Part no.	Inner diameter coil [mm]	Outer diameter coil [mm]	Inner diameter pipe [mm]	Outer diameter pipe [mm]	R value	Weight per UOM [kg/UOM]
	1/2" Pre-insulated Uponor AquaPEX with 1/2" insulation, 100-ft. coil	F6040500	482.6	762	12.07	15.88	3.9	3.629
	1/2" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil	F6150500	482.6	914.4	12.07	15.88	7.5	4.99
	3/4" Pre-insulated Uponor AquaPEX with 1/2" insulation, 100-ft. coil	F6040750	482.6	812.8	17.04	22.22	3.6	5.806
	1" Pre-insulated Uponor AquaPEX with 1/2" insulation, 100-ft. coil	F6041000	482.6	787.4	21.9	28.58	3.4	9.526
✔	1" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil	F6151000	482.6	1016	21.9	28.58	6.4	13.699
	1 1/4" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil	F6151250	685.8	1028.7	26.77	34.92	6.1	17.781
	2" Pre-insulated Uponor AquaPEX with 1 1/2" insulation, 75-ft. coil	F6162000	1066.8	1562.1	41.38	53.98	9.9	33.702
	3/4" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil	F6150750	482.6	990.6	17.04	22.22	7.9	9.979

Part name	Part no.	Codes	Standards	Listings
Pre-insulated Uponor AquaPEX coils	All	IMC|UPC|IBC|IRC|NBC of Canada|IPC|UFGS|NPC of Canada|UMC|NSPC	ASTM F1960|ASTM F876|ASTM F2023|ASTM E814/ULC S115|ASTM F877|CSA B137.5|CSA B214|NSF-61|ULC S101|NSF-14	IAPMO-ES|ICC-ES-PMG|CCMC|PPI TR-4|CSA|UL|U.P.Code|cQAIus P321
In addition, the following parts have additional codes, standards, or listings:				
1/2" Pre-insulated Uponor AquaPEX with 1/2" insulation, 100-ft. coil	F6040500			cNSFus-pw
1/2" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil	F6150500			cNSFus-pw
3/4" Pre-insulated Uponor AquaPEX with 1/2" insulation, 100-ft. coil	F6040750		UL 1821	cNSFus-pw-fs
1" Pre-insulated Uponor AquaPEX with 1/2" insulation, 100-ft. coil	F6041000		UL 1821	cNSFus-pw-fs
1" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil	F6151000		UL 1821	cNSFus-pw-fs
1 1/4" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil	F6151250		UL 1821	cNSFus-pw-fs
2" Pre-insulated Uponor AquaPEX with 1 1/2" insulation, 75-ft. coil	F6162000			cNSFus-pw
3/4" Pre-insulated Uponor AquaPEX with 1" insulation, 100-ft. coil	F6150750		UL 1821	cNSFus-pw-fs

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Installation	Related applications
Approved fitting system is ProPEX®. Refer to the ProPEX Connections Instructional Guide, Uponor Piping Pocket Guide, PEX Piping Systems Design and Installation Manual (PDIM), Complete Design Assistance Manual (CDAM), Hydronic Piping Design Assistance Manual (HPDAM) or AquaSAFE™ Residential Fire Sprinkler Installation Guide for more information.	PEX-a Plumbing Systems Radiant Heating and Cooling Systems Hydronic Piping Systems

Notes

Operating condition limits
(hydrostatic ratings):
½”-2” Uponor AquaPEX® White only: 120°F (49°C) at 130 psi (896 kPa)

Operating condition limits (hydrostatic ratings):
½”-2” Uponor AquaPEX® White only: 120°F (49°C) at 130 psi (896 kPa)

Footnotes	Contact information	
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